PMT Spectrophotometer LX100PMT

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Description

The LX100PMT is designed with latest ARM system and long optical system that ensures high accuracy and good stability of the instrument. The use of photomultiplier tube as a detector provides exceptional sensitivity. It has in-house massive memory which is capable of saving up to 1024M for test data & working curves. It supports USB storage which is used for data transfer that is easily exported to Excel for further processing, analysis and storage. Socket type deuterium and tungsten lamp.

Specifications

Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	2 nm
Wavelength Repeatability	≤0.1nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric Range	0-200%T, -4~4A, 0-9999C (0-9999F)
Stray Light	≤0.03%T@220nm, 360nm
Stability	±0.0005A/h@500nm
Baseline Flatness	±0.0002A
Noise	0.0005A @ 500nm
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	7
Light Source	Imported Deuterium & Tungsten lamp
Detector	Imported Photomultiplier Tube

Cuvette Holder	10mm single hole cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Packing Dimension	810 × 660 × 390 mm
Gross Weight	27 Kg

Features

- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multi-wavelength test, etc
- Socket type deuterium and tungsten lamp
- Large sample chamber allows the easy interface of optional accessories
- Supports USB & SD card storage

Applications

- To meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc.

Standard Accessories

- 10mm glass cuvette x 4
- 10mm quartz cuvette x 2
- Power cord
- User's Manual
- PC software

Optional Accessories

- Auto 8-cell holder
- Film holder
- Peltier/sipper system
- 21 CFR compliant software
- Built-in printer

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